Title (en)
AUXILIARY SYSTEM FOR DRIVING A SHAFT OF A HELICOPTER PROPULSION SYSTEM

Title (de)
HILFSSYSTEM ZUM ANTRIEB EINER WELLE EINES HUBSCHRAUBERANTRIEBSSYSTEMS

Title (fr)
SYSTEME AUXILIAIRE D'ENTRAINEMENT D'UN ARBRE D'UN SYSTEME PROPULSIF D'UN HELICOPTERE

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Application
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Abstract (en)
[origin: WO2017187078A1] The invention relates to an auxiliary system for mechanically driving a relay shaft (8) of a helicopter propulsion system, comprising: a hydraulic motor (7), mechanically connected to said relay shaft (8); a hydraulic circuit (10) for supplying a pressurised liquid to said hydraulic motor (7); a controlled, fast-opening hydraulic valve (11) arranged on the hydraulic circuit (10); a pyro-hydraulic storage unit (9) driven by a control unit (12) and connected to said hydraulic valve (11), said pyro-hydraulic storage unit (9) comprising: an enclosure (20) including a piston (16) that defines a main compartment (17) having at least one solid propellant cartridge (19) and a compartment (18) for a liquid supply; an ignition charge (25) connected to said main compartment (17) and suitable for initiating the combustion of at least one solid propellant cartridge (19) upon receiving a command from said control unit (12)

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